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**CM Lift Table Operation Procedure**  
**PHENIX Procedure No. PP-2.5.5.2-06**

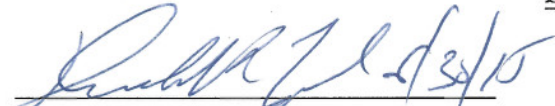
**Revision: C**

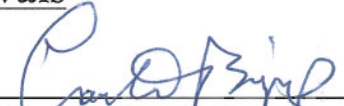
**Date: 6/30/2015**

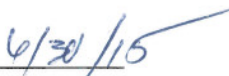
**Hand Processed Changes**

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**Approvals**

  
PHENIX S E & I      Date

  
Cognizant Scientist/Engineer  
/Activity Manager

  
Date

  
PHENIX QA/Safety      Date



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**Approvals**

_____	_____	_____	_____
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_____	_____
PHENIX QA/Safety	Date

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**PHENIX Procedure # PP-2.5.5.2-06 Rev C**

**REVISION CONTROL SHEET**

<b>LETTER</b>	<b>DESCRIPTION</b>	<b>DATE</b>	<b>AUTHOR</b>	<b>APPROVED BY</b>	<b>CURRENT OVERSIGHT</b>
A	First Issue	3/23/2009	J. Carter Biggs	D. Lynch, P. Giannotti, J.C. Biggs	D. Lynch
B	Reviewed for 3 year check, no changes	4/18/2012	J. Carter Biggs	D. Lynch, P. Giannotti, J.C. Biggs	D. Lynch
C	Reviewed for 3 year check, no changes	6/30/15	J. Carter Biggs	D. Lynch, P. Giannotti, J.C. Biggs	D. Lynch

## **1.0 Purpose**

The purpose of this document is to define operating procedures for the PHENIX Central Magnet Lift Table (CMLT). This procedure is intended to assure that the CMLT is operated only by qualified personnel and only to the extent permitted by this procedure. By limiting the personnel qualified to operate this table, the probability of personnel injury and/or equipment damage due to improper operation is significantly reduced.

## **2.0 Responsibilities**

The first level of responsibility rests with the personnel who operate the CMLT under any circumstances. All personnel are required to obey the “two man rule” in operating the CMLT at all times. It is the responsibility of persons who operate the CMLT to obtain appropriate training, to make certain that conditions are safe for operation, and to carry out operations in strict accordance with the procedure defined in this document.

The second level of responsibility lies with PHENIX mechanical and electrical technicians. It is their responsibility to prepare the CMLT for operation whenever needed by PHENIX subsystem groups, to provide operation for those groups whenever feasible and to train a limited number of subsystem experts when deemed appropriate and necessary by the PHENIX Chief Engineer.

The third level of responsibility lies with the PHENIX Chief Engineer. He shall make certain that PHENIX technicians are available whenever feasible as needed. He shall also limit the number of subsystem experts trained to use the CMLT at his sole discretion, as he sees fit in the best interests of the PHENIX experiment as a whole. The PHENIX Chief Engineer shall maintain a list of subsystem experts approved to operate the CMLT in accordance with this document.

### **3.0 PHENIX Standard Operating Procedure (S.O.P.) for the PHENIX Central Magnet Lift Table (CMLT)**

#### **Personnel Training Requirements:**

1. Ladder Safety (TQ-LADDER)
2. Fall Protection (GE-FALLPROTECT)
3. Phenix Awareness (RC-PAT)
4. Toolbox Training on Scissor Jack Lift Platforms

#### **Toolbox Training Points:**

1. This is a two man job. Always, if there is a PHENIX technician available, he shall be the preferred designated operator.
2. Always use the provided ladder, never lean a folded up step ladder against the rack.
3. Beware of overhead objects while climbing up the ladder.
4. Raise the platform high enough to fold down the “wings”, but not too high to hit the HBD framing supports.
5. Hand up all four, east and west, inner and outer, safety rails, and drop them in their respective support holes This is a two man job.

**\* steps 4 and 5 are to be performed by PHENIX technicians only**

6. Carefully inspect entire travel path area with a flashlight where needed and make sure there are no new obstructions placed since the last use and remove if necessary.
7. With the person to do the work standing upright, the operator can now raise the platform watching the limits of travel before hitting the HBD framing supports while the worker stays clear of the detector and associated cabling, etc.
8. When the work is done, again scan the area under the platform before lowering. PHENIX technicians are responsible for removing railings, “folding up” the platform wings, and lowering the table for lock-out.
9. Remove all tools and parts (cut cable ties, screws, etc.) before locking out and leaving the area.